

Title (en)
APPARATUS FOR POSTERIOR NASAL NERVE ABLATION

Title (de)
VORRICHTUNG ZUR POSTERIOREN NASALEN NERVENABLATION

Title (fr)
INSTRUMENT DESTINÉ À L'ABLATION DU NERF NASAL POSTÉRIEUR

Publication
EP 4203825 A1 20230705 (EN)

Application
EP 21766706 A 20210815

Priority

- US 202063069770 P 20200825
- US 202117384855 A 20210726
- IB 2021057511 W 20210815

Abstract (en)
[origin: WO2022043819A1] An ablation instrument includes a shaft that extends from a grip portion. A curved portion of the shaft is shaped to allow insertion into the head of a patient, and to position an ablation tip that extends from a distal tip of the shaft proximate to an ablation target, such as the posterior nasal nerve. When activated the ablation tip projects radiofrequency energy to ablate nearby tissue. An ablation assistance features of an image guided surgery navigation system is configured to segment and identify ablation targets within a set of pre-operative images. When a position tracked ablation instrument is configured for use, the system begins to monitor the proximity of the ablation tip to the ablation targets. When the tip is within an effective distance of the target for ablation, the system provides an alert and activates the instrument so that RF energy may be projected.

IPC 8 full level
A61B 18/14 (2006.01); **A61B 18/12** (2006.01); **A61B 34/00** (2016.01); **A61B 34/10** (2016.01); **A61B 34/20** (2016.01); **A61B 90/00** (2016.01)

CPC (source: EP IL US)
A61B 18/02 (2013.01 - IL); **A61B 18/12** (2013.01 - EP IL); **A61B 18/1485** (2013.01 - EP IL); **A61B 18/1492** (2013.01 - EP IL US); **A61B 34/10** (2016.02 - EP IL); **A61B 34/20** (2016.02 - EP IL US); **A61B 34/25** (2016.02 - EP IL); **A61B 90/37** (2016.02 - EP IL); **A61B 18/02** (2013.01 - EP); **A61B 2018/00297** (2013.01 - IL US); **A61B 2018/00327** (2013.01 - EP IL US); **A61B 2018/00434** (2013.01 - EP IL); **A61B 2018/00577** (2013.01 - EP IL US); **A61B 2018/00898** (2013.01 - IL US); **A61B 2018/00904** (2013.01 - EP IL); **A61B 2018/00922** (2013.01 - EP IL US); **A61B 2018/00928** (2013.01 - EP IL); **A61B 2018/00988** (2013.01 - EP IL); **A61B 2018/0212** (2013.01 - EP IL); **A61B 2034/107** (2016.02 - EP IL); **A61B 2034/2051** (2016.02 - EP IL); **A61B 2034/2065** (2016.02 - IL US); **A61B 2034/2074** (2016.02 - EP IL); **A61B 2090/0807** (2016.02 - EP IL); **A61B 2090/364** (2016.02 - EP IL)

Citation (search report)
See references of WO 2022043819A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
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IB 2021057511 W 20210815; CN 202180052287 A 20210815; EP 21766706 A 20210815; IL 30054623 A 20230209; JP 2023513384 A 20210815; US 202117384855 A 20210726